



PATENT  
Client-Matter No.: 66661-036 (P-IS 4988)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of ) Confirmation No.: 5632  
Ideker and Hood ) Group Art Unit: 1631  
Examiner: C. Smith

Serial No: 09/993,312 )

Filed: November 13, 2001 )

For: MULTIPARAMETER INTEGRATION) METHODS FOR THE ANALYSIS ) OF BIOLOGICAL NETWORKS )

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PRELIMINARY AMENDMENT

This Preliminary Amendment is filed in connection with the above-identified patent application, which claims the benefit of priority to U.S. Provisional Application No. 60/248,257, filed November 14, 2000, and U.S. Provisional Application No. 60/266,038, filed February 2, 2001. Entry of the amendment and consideration of the following remarks is respectfully requested.

AMENDMENTS

In the specification:

Please replace Table 1 on pages 110 to 113, with the following replacement Table 1, which shows changes made relative to the immediate prior version by underlining of added text.

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Table 1: Gal4p binding-site predictions

Cluster	Gene	Upstream position (+/- strand)	Core similarity score	Matrix similarity score	Sequence
1	GAL1	456(+)	1.000	0.840	GTACGGATTAG AAGCCGCCGAG C <u>(SEQ ID NO:1)</u>
1	GAL1	437(+)	1.000	0.880	GAGCGGGCGAC AGCCCTCCGAC G <u>(SEQ ID NO:2)</u>
1	GAL1	419(+)	0.875	0.920	CGACGGAAAGAC TCTCCTCCGTG C <u>(SEQ ID NO:3)</u>
1	GAL1	355(+)	1.000	0.860	CCTCGCGCCGC ACTGCTCCGAA C <u>(SEQ ID NO:4)</u>
1	GAL10	336(-)	1.000	0.860	CCTCGCGCCGC ACTGCTCCGAA C <u>(SEQ ID NO:4)</u>

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1	GAL10	272 (-)	0.875	0.920	CGACGGAAAGAC TCTCCTCCGTG C <u>(SEQ ID</u> <u>NO:5)</u>
1	GAL10	254 (-)	1.000	0.880	GAGCGGGCGAC AGCCCTCCGAC G <u>(SEQ ID</u> <u>NO:6)</u>
1	GAL10	235 (-)	1.000	0.840	GTACGGATTAG AAGCCGCCGAG C <u>(SEQ ID</u> <u>NO:7)</u>
1	GAL7	282 (-)	1.000	0.870	CTTCGCTCAAC AGTGCTCCGAA G <u>(SEQ ID</u> <u>NO:8)</u>
1	GAL7	195 (-)	1.000	0.924	TCACGGTCAAC AGTTGTCCGAG C <u>(SEQ ID</u> <u>NO:9)</u>
1	GAL7	188 (+)	1.000	0.848	CAACTGTTGAC CGTGATCCGAA G <u>(SEQ ID</u> <u>NO:10)</u>
1	GCY1	372 (-)	1.000	0.828	CCCCGGAAATAG TCTGCCCGAT T <u>(SEQ ID</u> <u>NO:11)</u>

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1	PCL10	235 (-)	1.000	0.905	GATCGGTGCAA TATACTCCGAG C <u>(SEQ ID</u> NO:12)
1	GAL2	533 (-)	1.000	0.818	TTCCGGAAAGGA AGCTTTCCGAA T <u>(SEQ ID</u> NO:13)
1	GAL2	419 (+)	0.875	0.903	CACCGGCGGTC TTTCGTCCGTG C <u>(SEQ ID</u> NO:14)
1	GAL2	400 (-)	0.800	0.825	GAACGGCGCAG ATATCTCCGCA C <u>(SEQ ID</u> NO:15)
1	GAL2	336 (+)	1.000	0.867	TATCGGGGCGG ATCACTCCGAG C <u>(SEQ ID</u> NO:16)
1	GAL2	331 (+)	1.000	0.855	GGGCGGATCAC TCCGAACCGAG A <u>(SEQ ID</u> NO:17)
1	YEL057C	417 (-)	0.875	0.811	CCCCGGACGGC AGCCGCCCGTC C <u>(SEQ ID</u> NO:18)

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1	YGR090W	381 (-)	0.875	0.819	CAACGGCATGC AGCGAGCCGTA G <u>(SEQ ID</u> <u>NO:19)</u>
1	YPL066W	101 (+)	1.000	0.856	TCACGGTCATC ACTGCTCCGAC A <u>(SEQ ID</u> <u>NO:20)</u>
2	GAL3	291 (-)	1.000	0.938	GTTCGGCACAC AGTGGACCGAA C <u>(SEQ ID</u> <u>NO:21)</u>
2	GAL80	175 (+)	1.000	0.952	TACCGGCGCAC TCTCGCCCGAA C <u>(SEQ ID</u> <u>NO:22)</u>
2	YPR194C	624 (-)	1.000	0.814	CGTCGGACAGC AACCCCCGAT T <u>(SEQ ID</u> <u>NO:23)</u>
2	YMR318C	239 (+)	1.000	0.830	GTCCGGTCCGT CCTTGACCGAA G <u>(SEQ ID</u> <u>NO:24)</u>
11	RPA49	249 (+)	1.000	0.804	GACCGGACACC TAATCACCGAC G <u>(SEQ ID</u> <u>NO:25)</u>

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11	YLR201C	143 (-)	1.000	0.812	CTTCCGCCCTAA TATAGTCCGAA A <u>(SEQ ID</u> NO:26)
15	YJL045W	524 (-)	1.000	0.804	CGACGGGAAT TGAACCCGAT C <u>(SEQ ID</u> NO:27)
15	MBR1	313 (+)	0.800	0.811	GAGCGGCTCCC CTTTCCC CGGAA <u>(SEQ</u> <u>ID NO:28)</u>
15	MRK1	268 (-)	0.725	0.828	CATCGGACGA CTTTGCTCCC AGG <u>(SEQ</u> <u>ID NO:29)</u>
15	YMR031 C	305 (-)	1.000	0.801	TTTTGGGTAA CAGCGGACCG AAG <u>(SEQ</u> <u>ID NO:30)</u>
16	ICL1	407 (+)	1.000	0.810	CCCAGGTTTC CATTCAATCCG AGC <u>(SEQ</u> <u>ID NO:31)</u>
16	YLR164 W	243 (+)	1.000	0.836	GATTGGAGTA CCCTTATCCG AAG <u>(SEQ</u> <u>ID NO:32)</u>

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16	YIL057	192(+)	0.875	0.867	CGGCGGTTGG CAATCGTCCG TAT <u>(SEQ</u> <u>ID NO:33)</u>
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Regarding the amendment

The amendment to the specification was made to insert sequence identification numbers and accordingly adds no new matter. Therefore, entry of the amendment is respectfully requested.

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**CONCLUSION**

No fee is deemed necessary in connection with the filing of this Communication. However, if any fee is required, authorization is given to charge the amount of this fee to Deposit Account No. 50-2624. The Examiner is invited to call the undersigned agent or Cathryn Campbell if there are any questions relating to this application.

Respectfully submitted,

September 25, 2003  
Date

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